

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Original) A method of controlling frequency selection in a wireless communication system in response to radar-like interference signals, comprising
 - a) continuously or quasi-continuously monitoring and assessing one or more frequencies with respect to the radar-like interference signals;
 - b) allocating a quality parameter to each assessed frequency, the quality parameter indicating a probability that the frequency is occupied by a radar-like interference signal;
 - c) selecting one or more frequencies in dependence on the allocated quality parameters; and
 - d) further monitoring one or more frequencies with respect to radar-like interference signals.

2. (Original) The method of claim 1,

wherein the quality parameter can assume one of a plurality of pre-defined values, a first value indicating that a frequency is occupied, a second value indicating that a frequency is not occupied, and a third value indicating that a frequency might be occupied.

3. (Original) The method according to claim 1,

wherein the quality parameter can assume any value between a lower quality order value and an upper quality border value.

4. (Currently Amended) The method according to ~~one of claims 1 to 3~~ claim 1, wherein in step c) only those frequencies are selected to which quality parameters satisfying a threshold condition are allocated.

5. (Currently Amended) The method according to ~~one of claims 1 to 4~~ claim 1, wherein at least step a) is performed during a normal transmission mode.

6. (Currently Amended) The method according to ~~one of claims 1 to 4~~ claim 1, wherein at least step a) is performed prior to a normal transmission mode.

7. (Currently Amended) The method of ~~one of claims 1 to 6~~ claim 1,
wherein at least step a) is performed by a separate monitoring device (MD) in
ommunication with at least one of an access point (AP) and a central controller
(CC) of the wireless communication system.

8. (Currently Amended) The method of ~~one of claims 1 to 7~~ claim 1,
further comprising communicating the allocated quality parameters to an access
point (AP) or a central controller (CC) of the same or a neighboring wireless
communication system.

9. (Currently Amended) The method of ~~one of claims 1 to 8~~ claim 1,
wherein, if at least one of the radar-like interference signals and other interference
signals are detected in step d), steps a) to c) are repeated.

10. (Currently Amended) The method to ~~one of claims 1 to 9~~ claim 1,
wherein during regular operation receive/transmit pauses are artificially created.

11. (Currently Amended) The method of ~~one of claims 1 to 10~~ claim 1,
wherein step d) comprises periodically monitoring one or more of the selected
frequencies to assess an average quality thereof.

12. (Original) The method of claim 11,
further comprising transmitting on the one or more frequencies having the highest
average quality.

13. (Original) The method of claim 12,
wherein after a predefined period of time the method returns to step a).

14. (Original) The method of claim 13,
wherein for a specific transmission frequency the predefined period of time is
selected in dependence on the quality parameter previously allocated to this
transmission frequency.

15. (Currently Amended) The method of ~~one of claims 13 or 14~~ claim 13,
wherein the predefined period of time is selected additionally in dependence on a
system traffic load or the transmission quality of the currently used transmission
frequency.

16. (Currently Amended) The method of ~~one of claims 1 to 15~~ claim 1, wherein
prior to switching from a first transmission frequency to a second transmission
frequency, the second transmission frequency is subjected to at least steps a) and
b).

17. (Currently Amended) A computer program product comprising program code portions for performing the steps of ~~claims 1 to 16~~ claim 1 when the product is run on a computer.

18. (Original) The computer program product of claim 17, stored on a computer readable recording medium.

19. (Original) A wireless communication system comprising:

- a) a first unit for continuously or quasi-continuously monitoring and assessing one or more frequencies with respect to radar-like interference signals;
- b) a second unit for allocating a quality parameter to each assessed frequency, the quality parameter indicating a probability that a frequency is occupied by a radar-like interference signal;
- c) a third unit for selecting one or more frequencies in dependence on the allocated quality parameters, wherein the first unit is adapted to further monitor one or more frequencies with respect to radar-like interference signals.

20. (Original) The wireless communication system of claim 19, comprising a monitoring device (MD) associated with or remote from at least one of an access point (AP) or a central controller (CC),

wherein the monitoring device (MD) includes at least the first unit for
continuously or quasi-continuously monitoring and assessing one or more
frequencies with respect to the radar-like interference signals.